SVILUPPO PLANIMETRICO ED ALTIMETRICO LINEE DRAINING PIPES
PLANIMETRIC AND ALTIMETRIC PROGRESS OF DRAINING PIPES LINES
SCALA 1:200 - SCALE 1:200

GEOMETRIA GEOMETRY	PVC DN40 D=-0.54 I=+13.90 P=-0.1E								
MACCHINA EQUIPMENT	1		2		3	4	5	6	W.H.
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	4.41	7.81	10.31	11.75	13.80	14.05	14.55	14.96
DISTANZE PARZIALI PARTIAL DISTANCES	4.41	3.41	2.50	1.45	2.05	0.25	0.50	0.41	
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 100.05
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 -0.41

TRATTA 1-2-3-4-M/A
PROFILE 1-2-3-4-M/A
x: 1:200
y: 1:200

GEOMETRIA GEOMETRY	PVC DN40 D=-0.51 I=+5.63 P=-0.1E				
POZZETTO PIT	3				K/H/F
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.90	3.65	4.06	4.47
DISTANZE PARZIALI PARTIAL DISTANCES	1.90	1.75	0.41	0.41	
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.00	100.00	100.00	100.00	100.00
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73

TRATTA 5-K/H/F
PROFILE 5-K/H/F
x: 1:200
y: 1:200

GEOMETRIA GEOMETRY	PVC DN40 D=-0.51 I=+4.70 P=-0.1E				
POZZETTO PIT	4				K
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.90	4.10	4.51	4.92
DISTANZE PARZIALI PARTIAL DISTANCES	1.90	2.20	0.41	0.41	
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.00	100.00	100.00	100.00	100.00
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73

TRATTA 6-K/H/F
PROFILE 6-K/H/F
x: 1:200
y: 1:200

GEOMETRIA GEOMETRY	PVC DN40 D=-0.51 I=+2.25 P=-0.1E			
POZZETTO PIT	7/8			K
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.75	4.16	
DISTANZE PARZIALI PARTIAL DISTANCES	1.75	0.41		
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.00	100.00	100.00	
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	

TRATTA 7-8-K
PROFILE 7-8-K
x: 1:200
y: 1:200

GEOMETRIA GEOMETRY	PVC DN40 D=-0.51 I=+4.85 P=-0.1E			
POZZETTO PIT	9/10			H/F
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.85	4.26	
DISTANZE PARZIALI PARTIAL DISTANCES	1.85	0.41		
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.00	100.00	100.00	
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	

TRATTA 9-10-H/F
PROFILE 9-10-H/F
x: 1:200
y: 1:200

GEOMETRIA GEOMETRY	PVC DN40 D=-0.28 I=+2.39 P=-0.1E				
POZZETTO PIT	11				C
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.90	2.28	3.19	3.60
DISTANZE PARZIALI PARTIAL DISTANCES	1.90	0.38	0.91	0.41	
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.46	100.46	100.46	100.46	100.46
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 100.05
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 -0.41

TRATTA 11-C
PROFILE 11-C
x: 1:200
y: 1:200

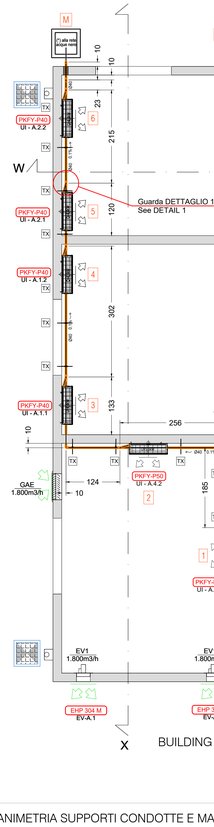
GEOMETRIA GEOMETRY	PVC DN40 D=-0.28 I=+2.57 P=-0.1E				
POZZETTO PIT	12				C
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.90	2.57	2.98	3.39
DISTANZE PARZIALI PARTIAL DISTANCES	1.90	0.67	0.41	0.41	
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.46	100.46	100.46	100.46	100.46
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	101.05 99.73	101.05 100.05
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	1.05 0.73	1.05 -0.41

TRATTA 12-C
PROFILE 12-C
x: 1:200
y: 1:200

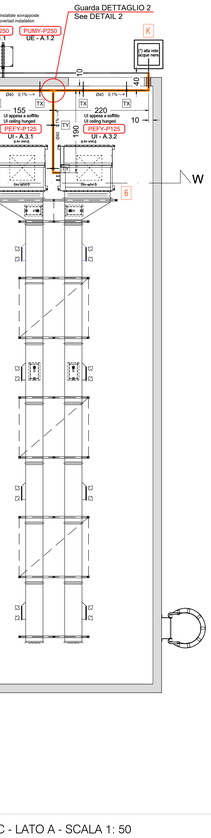
GEOMETRIA GEOMETRY	PVC DN40 D=-0.28 I=+1.17 P=-0.1E				
POZZETTO PIT	13/14				C
DISTANZE PROGRESSIVE PROGRESSIVE DISTANCES	0.00	1.90	3.07	3.54	
DISTANZE PARZIALI PARTIAL DISTANCES	1.90	1.17	0.47		
QUOTE PIANO STAZIONE GROUND SUBSTATION QUOTA	100.46	100.46	100.46	100.46	
QUOTE SCORRIMENTO FLOW QUOTA	101.05 99.73	101.05 99.73	101.05 99.73	101.05 100.05	
PROFONDITA' DI POSA LAYING DEPTH	1.05 0.73	1.05 0.73	1.05 0.73	1.05 -0.41	

TRATTA 13-14-C
PROFILE 13-14-C
x: 1:200
y: 1:200

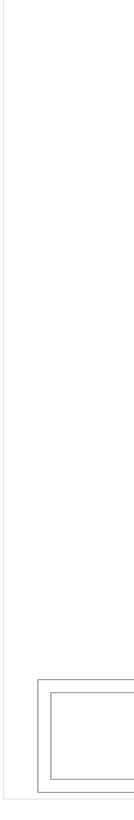
DETTAGLIO 1
DETAIL 1


Connessione a innesto drenaggio macchina in tubo flessibile DN22
Plug-in connection for drainage machine in flexible pipe DN22
Ø22
Ø40
Riduzione da tubo in PVC Ø40 a tubo flessibile Ø22
Reduction from Ø40 PVC pipe to flexible pipe Ø22
0.1% →
Ø40

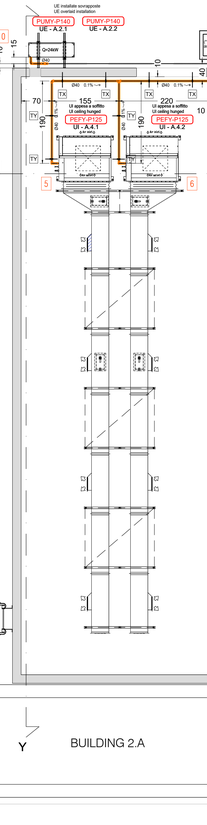
DETTAGLIO 2
DETAIL 2


Connessione a innesto drenaggio macchina in tubo flessibile DN32
Plug-in connection for drainage machine in flexible pipe DN32
Ø40
Ø40
Riduzione da tubo in PVC Ø40 a tubo flessibile Ø32
Reduction from Ø40 PVC pipe to flexible pipe Ø32
0.1% →
0.1% →
Ø40
Ø40

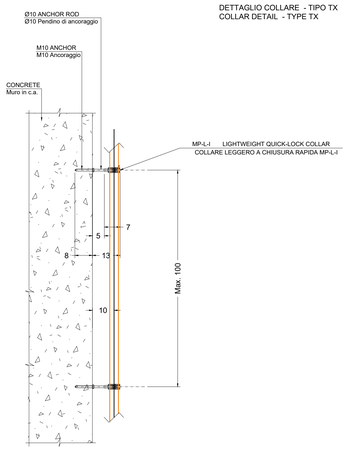
DETTAGLIO 3
DETAIL 3



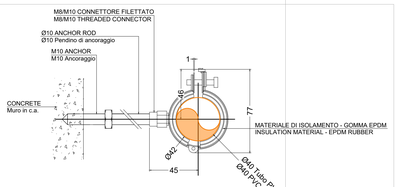
DETTAGLIO 4
DETAIL 4



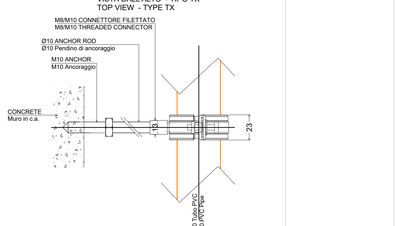
DETTAGLIO COLLARE - TIPO TX
COLLAR DETAIL - TYPE TX



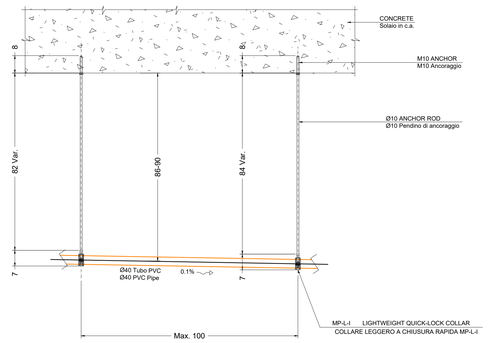
VISTA FRONTALE - TIPO TX
FRONTAL VIEW - TYPE TX



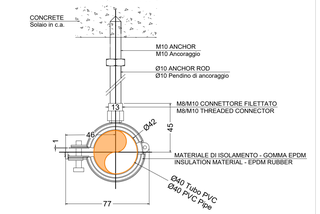
VISTA DALL'ALTO - TIPO TX
TOP VIEW - TYPE TX



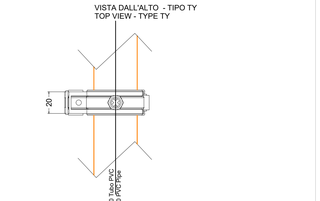
DETTAGLIO COLLARE - TIPO TY
COLLAR DETAIL - TYPE TY



VISTA FRONTALE - TIPO TY
FRONTAL VIEW - TYPE TY



VISTA DALL'ALTO - TIPO TY
TOP VIEW - TYPE TY



LEGENDA

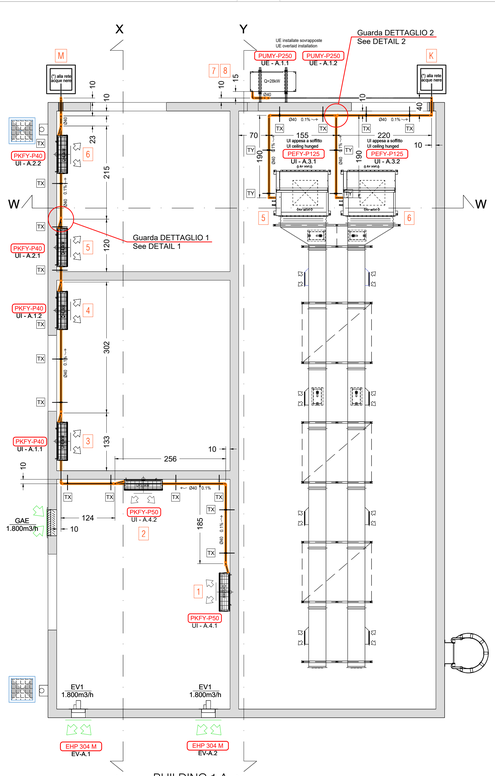
	CANALI MANDATA ARIA CLIMATIZZAZIONE	Air conditioning supply ducts
	TUBAZIONI IN RAME COIBENTATO LIQUIDO E GAS FREON IN CANALINA lavorativa fissata a parete/soffitto	Freon liquid and gas pipeline isulated in TRAY anchored on the wall/ceiling
	TUBAZIONI IN PE INSTALLAZIONE A VISTA RACCOLTA CONDENSA	PE piping visible installation for condensate drainage
	TUBAZIONI IN PE INSTALLAZIONE SOTTO TERRA RACCOLTA CONDENSA	PE piping underground installation for condensate drainage
	MONTANTE IN ACCIAIO ZINCATO RACCOLTA CONDENSA	Galvanized steel column for condensate drainage
	BOCCHETTE DI MANDATA INSTALLAZIONE A CANALE Completa di serranda di regolazione - Mt. 0 ÷ 300 m3/h, dimensione 300x100mm	Supply air grid installation en duct With regulation damper - Mt. 0 ÷ 300 m3/h, dimension 300x100mm
	BOTOLA D'ISPEZIONE Completa di maniglia - A.S.1, dimensioni 330x185mm	INSPECTION DOOR Handle included - A.S.1, dimensions 330x185mm
GAE 1.800m3/h	GRIGLIA DI PRESA ARIA ESTERNA IN ACCIAIO Completa di serranda di sovrapressione e filtro antipolline - Q = 1.800 m3/h, dimension 600x600mm	STEEL EXTERNAL AIR GRID with overpressure damper and polline filter - Q = 1.800 m3/h, dimension 600x600mm
EHP 304 M EV-A.2	VENTILATORE ELICOIDALE PER ESTRAZIONE ARIA, diam. 250mm Installazione a parete con controllo velocità - Q = 1.800 m3/h, H = 36 Pa, Pe = 125 W	Helicoidal fan for air extraction, diam. 250mm In wall installation with speed control - Q = 1.800 m3/h, H = 36 Pa, Pe = 125 W
PUMY-P140 UE - A.B2.2	UNITA' ESTERNA MOTOCONDENSANTE tipo PUMY-P140YKM5 Pf = 15.5 kW, Pt = 12.5 kW, Pe = 3.77 kW dimensioni HxWxD 1338x1050x320 mm	Outdoor condensing unit, type PUMY-P140YKM5 Pf = 15.5 kW, Pt = 12.5 kW, Pe = 3.77 kW dimensions HxWxD 1338x1050x320 mm
PUMY-P250 UE - A.B1.2	UNITA' ESTERNA MOTOCONDENSANTE tipo PUMY-P250YKM3 Pf = 28.0 kW, Pt = 13.95 kW, Pe = 8.21 kW dimensioni HxWxD 1563x1050x460 mm	Outdoor condensing unit, type PUMY-P250YKM3 Pf = 28.0 kW, Pt = 13.95 kW, Pe = 8.21 kW dimensions HxWxD 1563x1050x460 mm
PEFY-P125 UI - A.B3.2	UNITA' INTERNA CANALIZZABILE tipo PEFY-P125VMHS-E Pf = 13.7 kW, Pt = 8.6 kW, Pe = 220 W dimensioni HxWxD 300x1150x800 mm, con pompa condensa	Ductable indoor unit, type PEFY-P125VMHS-E Pf = 13.7 kW, Pt = 8.6 kW, Pe = 220 W dimensions HxWxD 300x1150x800 mm, with condensate pump
PKFY-P40 UI - A.B2.2	UNITA' INTERNA A PARETE tipo PKFY-P40VLM-E Pf = 4.4 kW, Pt = 4.12 kW, Pe = 50 W dimensioni HxWxD 295x998x237 mm	Wall-mounted indoor unit, type PKFY-P40VLM-E Pf = 4.4 kW, Pt = 4.12 kW, Pe = 50 W dimensions HxWxD 295x998x237 mm
PKFY-P50 UI - A.B3.2	UNITA' INTERNA A PARETE tipo PKFY-P40VLM-E Pf = 5.6 kW, Pt = 5.32 kW, Pe = 50 W dimensioni HxWxD 295x998x237 mm	Wall-mounted indoor unit, type PKFY-P50VLM-E Pf = 5.6 kW, Pt = 5.32 kW, Pe = 50 W dimensions HxWxD 295x998x237 mm
RC	REGOLATORE AMBIENTE UNITA' INTERNA	Room controller
SM	SONDA DI MONITORAGGIO TEMPERATURA E UMIDITA'	Monitoring probe for temperature and humidity

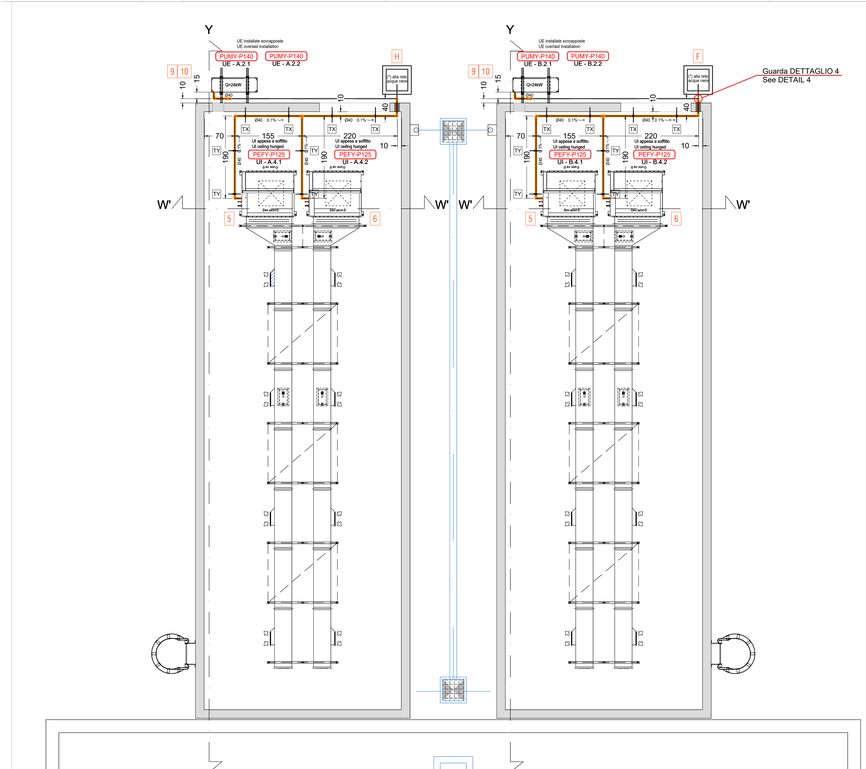
NOTE:
(*) PER PROSEGUIMENTO SISTEMA ACQUE NERE A TERRA
VEDERE DOC. MEC-PL-217

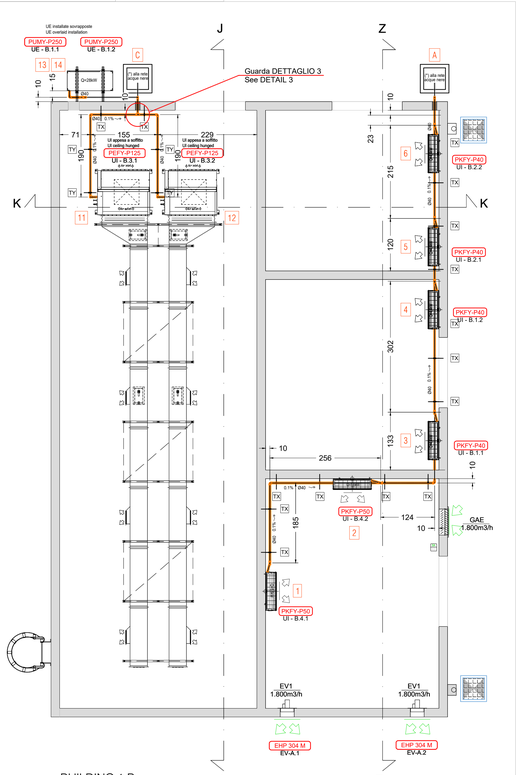
(*) FOR CONTINUATION OF THE ON LAND WASTE WATER SYSTEM
SEE DOC. MEC-PL-217

RIFERIMENTI:
EQUIPMENT E CONDOTTE VEDERE I DOC MEC-PL-215-1 E MEC-PL-215-2
LINEE FRIGORIFERE I DOC MEC-PL-215-3 E MEC-PL-215-4
LINEE DI RACCOLTA CONDENSE VEDERE I DOC MEC-PL-215-5 E MEC-PL-215-6
SUPPORTI VEDERE I DOC MEC-PL-215-7 E MEC-PL-215-8
DETTAGLI VEDERE I DOC MEC-PL-215-9

EQUIPMENT AND DUCT SEE DOC. MEC-PL-215-1 E MEC-PL-215-2
REFRIGERANT PIPES SEE DOC. MEC-PL-215-3 E MEC-PL-215-4
DRAWING PIPES SEE DOC. MEC-PL-215-5 E MEC-PL-215-6
SUPPORTS SEE DOC. MEC-PL-215-7 E MEC-PL-215-8
DETAILS SEE DOC. MEC-PL-215-9







PLANIMETRIA SUPPORTI CONDOTTE E MACCHINE HVAC - LATO A - SCALA 1: 50
HVAC DUCT AND ITEMS SUPPORTS LAYOUT - SIDE A - SCALE 1: 50

PLANIMETRIA SUPPORTI CONDOTTE E MACCHINE HVAC - LATO B - SCALA 1: 50
HVAC DUCT AND ITEMS SUPPORTS LAYOUT - SIDE B - SCALE 1: 50

REVISION	N.	DATE	DESCRIPTION	VERIFIED	APPROVED
	01	19/08/2024	Second issue - ESS plant project	Engie	Engie
	00	15/07/2024	First issue - ESS plant project	Engie	Engie

DESIGNER	PROJECT
Idea Digital Solution S.r.l. Milano Via Larga, 6 - 20122 Milano (MI) E-mail: *ideads@ideagroup.biz*	RTN CONNECTION PROJECT SSE TECHNOLOGICAL INSTALLATIONS PROJECT WS5 SHOP DRAWINGS

CLIENT

Hines COMPASS datacenters

CODE	DRAW
MEC-PL-215_5	HVAC DRAINING PIPES LAYOUT - Plan view
DATE	**SCALE** / **LOCATION**
August 2024	METROPOLITAN CITY OF MILAN MUNICIPALITY OF NOVIGLIO

PROJECT LEVEL	DRAWING CODING
WS5 SHOP DRAWINGS	MEC-PL-215_5 - HVAC Draining Pipes Layout - Plan view

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